

MONO FULL CELLS - BLACK | WHITE

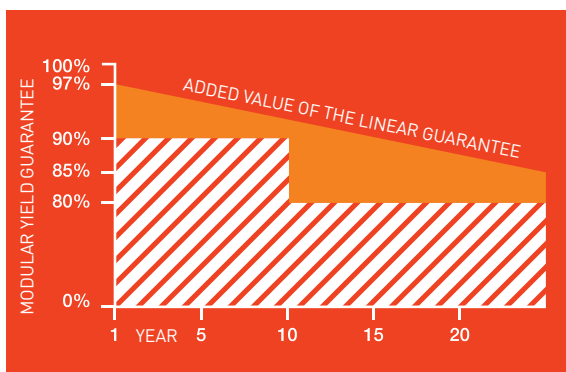
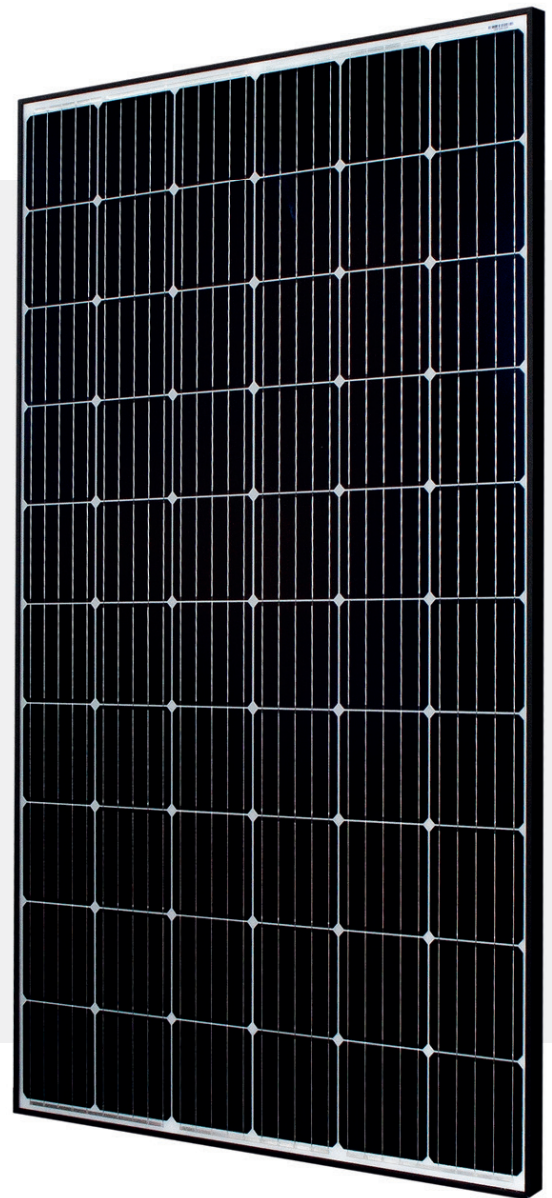
MONOCRYSTALLINE 60 CELLS



OUTPUT:

310 - 340 WATT

EXE high efficiency monocrystalline 60-cell series grants high performance and conversion efficiency over 19%. This series features a 35mm black anodized aluminium frame, which combines robustness to light weight, and a 3.2mm anti-reflective glass optimizing panel performance to solar irradiance. EXE monocrystalline cells are based PERC-technology and rear passivated.



15 years manufacturer's warranty
25 years linear performance guarantee



Guaranteed positive output
tolerance of 0/+5 Wp by single
measuring



Maximum 5400Pa snow
load



3,2 mm anti-reflective glass



Maximum stability through
aluminium frame Soft-Grip

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MONOCRYSTALLINE 60 CELLS

STC	A-M310/60	A-M320/60	A-M330/60	A-M340/60
Maximum Power (Pmax)	310W	320W	330W	340W
Open Circuit Voltage (Voc) (V)	39.85	40.43	41.05	41.66
Short Circuit Current (Isc) (A)	10.07	10.19	10.33	10.48
Voltage at Maximum Power (Vmpp) (V)	32.58	33.13	33.67	34.02
Current at Maximum Power (Impp) (A)	9.56	9.66	9.80	9.94
Modul Efficiency (%)	18,77	19.38	19.98	20.58

Electrical characteristics (at Standard Test Conditions (STC) of irradiance 1000W/m², spectrum AM 25°C)

NOCT	A-M310/60	A-M320/60	A-M330/60	A-M340/60
Maximum Power (Pmax)	229W	237W	245W	253W
Open Circuit Voltage (Voc) (V)	37.28	38.15	39.01	40.29
Short Circuit Current (Isc) (A)	7.94	8.02	8.10	8.18
Voltage at Maximum Power (Vmpp) (V)	30.57	31.31	32.03	32.76
Current at Maximum Power (Impp) (A)	7.49	7.57	7.65	7.73

Electrical characteristics at NOCT, irradiance 800W/m², spectrum AM 1.5G, cell temperature 20°C, wind speed 1 m/s

Temperature Characteristics	
Pmax Temperature Coefficients (W/°C)	-0.36%/°C
Voc Temperature Coefficients (V/°C)	-0.29%/°C
Isc Temperature Coefficients (A/°C)	+0.05%/°C
Noct Nominal Operating Cell Temperature (°C)	45+/-2°C
Operating Conditions	
Operating Module Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20A
Power Tolerance:	0/+5W
Maximum Static Load Front	5400Pa tested 8000Pa
Maximum Static Load Back	2400Pa
Application Class	Class A
Specifications	
Cell Type	158.75x158.75 Mono
Weight	17.5kg +/-3%
Dimensions	1658x996x35mm (+/-2mm)
Cable Cross Section Size	4mm², cable approx 110cm, QC4
No. Of cells	60 {6x10}
Junction Box	IP67, 3 diodes
Frame	Black anodized aluminium
Front Glass	3,2mm high trasmission, low iron,tempered glass

